

Forest Certification Work Instruction**Date of Draft Document:****Effective Date:** June 20, 2005**Revision Number:** 0**Supersedes Version Dated:**

Work Instruction Title: 1.7 State Forest Timber Harvest Trends**Work Area Group:** 1 – Plan, Monitor, and Review

Purpose: To prepare a report for the Chief of the Forest, Mineral and Fire Management Division describing recent Michigan State Forest timber harvest trends and the factors which influence them. The report will serve to develop reasonable expectations with respect to future State Forest timber harvest levels and provide a basis for management review and reporting on timber harvest levels.

Work Instruction:

1. The Planning and Operations Unit Leader shall meet with the State Silviculturist to discuss the Michigan State Forest Timber Availability and Harvest Trends report outline, agree upon a timetable and tasks, and direct the Silviculturist to begin work on the project.
2. At a minimum, the resulting report shall include the following:
 - a. Background and purpose of the analysis and paper, including references to current timber supply concerns and forest certification, and descriptions of past projections.
 - b. Methods and data sources employed in the analysis.
 - c. The current timber sale treatment decision processes and anticipated changes.
 - d. Tables and descriptive information describing past and likely future trends by administrative unit, forest type, products and treatments.
3. Through the above items, the paper will address:
 - a. The need and appropriateness of developing realistic expectations with respect to future timber harvests in contrast to past projections emphasizing what was biologically possible.
 - b. The compartment review treatment decision process and rationale for the rate of annual harvest and species selection.
 - c. The sustainability of State Forest harvest levels, identifying factors that influence sustainability and future harvest levels.
 - d. DNR plantation management.
 - e. Changes to the information management systems (e.g. VMS and IFMAP).
 - f. Current and anticipated timber-related management costs.
 - g. Tables and reporting to assess future harvest levels.
4. The report will give consideration to ongoing managerial review of timber trends and include items that are legislatively required.

5. Subsequent to the initial report, on an annual basis, forest conditions and harvest trends will be reviewed and contrasted against the descriptions in the report by the Timber Management Specialists, the Timber Sale Program Leader, the State Silviculturist, and the Inventory Specialist and others as deemed appropriate to determine the need to update or revise the report.

Scope: (All State Forest Land and Affected Divisions): ☒ State Forest Land ☐ Other: _____

☒ DNR – FMFM ☒ DNR – Wildlife ☐ DNR – Fish ☐ DNR – Law ☐ DNR – Parks

Responsibility and Role: (Staff who will implement or supervise this instruction)

Job Title/Division	Role
Planning and Operations Unit Leader/FMFM	Draft Document Outline and Analytical Steps, Assemble Data
State Silviculturist/FMFM	Conduct Analysis and Develop Draft Report; Modify as Appropriate Following Review
Timber Management Specialists/FMFM; Timber Sale Program Leader, Inventory Specialist and others as deemed appropriate, including FMFM Mgt Team, FMFM & WLD Dist. Specialists	Review outline and subsequent Report
Others as deemed appropriate, including FMFM Mgt Team, FMFM & WLD Dist. Specialists	Review Report
FMFM Certification Planner/FMFM	Incorporate excerpts of report into 2005 Management Plan

Training/Skills: (Those required to accomplish work instruction)

Item:	Brief Description of Skill or Course	Exists/ New
Familiarity with OI, FIA, & T-Sale Data; past projections	Planning & Operations Unit Leader to Provide to State Silviculturist	<input type="checkbox"/> E <input checked="" type="checkbox"/> N

References:

- Draft Statewide Forest Management Guidance Document
- Part 525, Statewide Forest Resources Plan, of the Natural Resources and Environmental Protection Act, 1994 PA 451
- 11/10/99 Silvicultural Needs Analysis and related documents
- Michigan's Forest Resources: Direction for the Future, MDNR 1983 Plan
- Michigan's Forests 1993: An Analysis
- Michigan's Predicted Timber Yields 1981-2010
- USDA Forest Service Forest Inventory & Analysis data (available on "FIA Mapmaker" website)

Monitoring:

- Statewide Planning Team (when established)
 - Forest Condition Spreadsheets: Acres, Age class
 - Management Review System
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Records:

- T-Sale Data
 - OI and IFMAP stand and compartment coding
 - OI forest cover maps
 - USDA Forest Service Forest Inventory & Analysis data
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